

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	845	nagesh "rao.exr"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:46
S3	5	"Nagesh Rao"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:47
S4	0	"G. Nagesh Rao"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:49
S5	0	"G.Nagesh Rao"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:50
S6	0	"G.Nagesh Rao". xa.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:51
S7	0	"G. Nagesh Rao". xa.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:51
S8	1814	"G.Nagesh" Rao. xa.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:51

S9	1814	"G.Nagesh" Rao.xa.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:51
S10	0	NageshRao.xa.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:51
S11	2579	Nagesh Rao.xa.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:51
S12	1814	(Nagesh Rao).xa.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:52
S13	0	Nagesh-Rao.XA.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:52
S14	0	G-Nagesh-Rao.XA.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:53
S15	0	Rao-Nagesh.XA.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:53
S16	0	Rao-Nagesh-G.XA.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:53

S17	0	Rao-Nagesh-G.XP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:53
S18	0	Rao-Nagesh.XP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:54
S19	0	Rao-Nagesh-G.XP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:54
S20	0	Rao-Nagesh-G.XA.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:54
S21	1814	Rao.XA.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:54
S22	845	"Nagesh"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:54
S23	80	S21 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2007/11/27 18:54

S24	78	"2892739"   "4008387"   "4036595"   "4203951"   "4265859"   "4282184"   "4289571"   "4330362"   "4396824"   "4410494"   "4454096"   "4592895"   "4659421"   "4957712"   "5085728"   "5087429"   "5162072"   "5242531"   "5242667"   "5288366"   "5314667"   "5324488"   "5360480"   "5373805"   "5427056"   "5437242"   "5492078"   "5660629"   "5700321"   "5733368"   "5876496"   "5900055"   "5935325"   "5958133"   "5976247"   "6984263").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/25 18:57
S25	3610	117/200-224.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/26 19:46
S26	41	"pre melter"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/26 19:46

S27	1	S25 and S26	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/26 19:46
S28	34	"pre-melter"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/26 19:46
S29	1	S25 and S28	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/26 19:46
S30	338	"premelt"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/26 19:47
S31	78	("2892739"   "4008387"   "4036595"   "4203951"   "4265859"   "4282184"   "4289571"   "4330362"   "4396824"   "4410494"   "4454096"   "4592895"   "4659421"   "4957712"   "5085728"   "5087429"   "5162072"   "5242531"   "5242667"   "5288366"   "5314667"   "5324488"   "5360480"   "5373805"   "5427056"   "5437242"   "5492078"   "5660629"   "5700321"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/26 19:47

		"5733368"   "5876496"   "5900055"   "5935325"   "5958133"   "5976247"   "6984263").PN.				
S32	0	S30 and S31	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/26 19:47
S33	32	S25 and S31	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/26 19:48
S34	4	"01275493"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/27 10:34
S35	1392	"heating ring"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/27 12:29
S36	78	("2892739"   "4008387"   "4036595"   "4203951"   "4265859"   "4282184"   "4289571"   "4330362"   "4396824"   "4410494"   "4454096"   "4592895"   "4659421"   "4957712"   "5085728"   "5087429"   "5162072"   "5242531"   "5242667"   "5288366"   "5314667"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/27 12:30

			"5324488"   "5360480"   "5373805"   "5427056"   "5437242"   "5492078"   "5660629"   "5700321"   "5733368"   "5876496"   "5900055"   "5935325"   "5958133"   "5976247"   "6984263").PN.			
S37	0	S36 and S35	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/27 12:30
S38	2384795	"heating"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/27 12:30
S39	35	S36 and S38	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/27 12:30
S40	8	"5180562"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/27 12:31
S41	5	"annukar"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/27 15:51
S42	1249030	"annular"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/27 15:51

S43	3610	117/200-224.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/27 15:51
S44	513	S43 and S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/27 15:51
S45	144613	"heaters"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/27 15:51
S46	108	S44 and S45	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/27 15:51
S47	489	"pre-melt"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/27 15:51
S48	0	S46 and S47	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/27 15:51
S49	338	"premelt"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/27 15:51
S50	51	S47 and S49	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/27 15:51

S51	0	S46 and S49	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/02/27 15:52
S52	3712	117/200-224.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 16:53
S53	0	"low aspect crucible"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 16:55
S54	77867	"crucible"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 16:55
S55	2196	S52 and S54	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 16:56
S56	4213	"low aspect ratio"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 16:56
S57	4	S55 and S56	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 16:56
S58	37	"pre-melter"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/11/22 18:45

S59	73045	"crucible"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/11/22 18:45
S60	0	S58 near S59	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/11/22 18:45
S61	6	S58 same S59	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	OFF	2008/11/22 18:45
S62	6	"4036595"   "4379021"   "4410494"   "4547258"   "4659421"   "5037503").PN.	US_PGPUB; USPAT; USOCR	OR	OFF	2008/11/22 18:46
S63	10	"4133969"   "4233270"   "4239583"   "4350557"   "4478676"   "4654110"   "4659421"   "4687646"   "4734267"   "4830703").PN.	US_PGPUB; USPAT; USOCR	OR	OFF	2008/11/22 18:48
S64	11	"5162072"). URPN.	USPAT	OR	OFF	2008/11/22 18:49
S65	8	"5,180,562"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 19:40
S66	1	"10789638"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 20:13

S67	0	"silicon carbide coated crucible"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:18
S68	6	"silicon nitride coated crucible"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:18
S69	269	"crucible coated"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:19
S70	325485	"SiN"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:19
S71	0	S69 near S70	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:19
S72	2	S69 same S70	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:19
S73	0	"silicon carbide coated crucible"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:35
S74	22524	"tantalum nitride"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:35

S75	77867	"crucible"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:35
S76	1	S74 near S75	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:35
S77	127794	"silicon carbide"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:35
S78	185	S75 near S77	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:35
S79	1641262	"coated"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:36
S80	15	S78 same S79	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:36
S81	132	"silicon carbide crucible"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:38
S82	22524	"tantalum nitride"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:42

S83	77867	"crucible"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:42
S84	1	S82 near S83	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:42
S85	30	S82 same S83	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:42
S86	4627	"nitride coating"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:44
S87	77867	"crucible"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:44
S88	14	S86 near S87	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;   BM_TDB	OR	ON	2008/11/22 22:44

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2167	117/200-224.ccls.	US-PGPUB; USPAT	OR	OFF	2009/07/20 11:41
L2	1799	"melting zone"	US-PGPUB; USPAT	OR	OFF	2009/07/20 11:41
L3	23	"controllable heater elements"	US-PGPUB; USPAT	OR	OFF	2009/07/20 11:42
L4	67	I1 and I2	US-PGPUB; USPAT	OR	OFF	2009/07/20 11:42

L5	2	I1 and I3	US-PGPUB; USPAT	OR	OFF	2009/07/20 11:42
L6	994479	"thermal"	US-PGPUB; USPAT	OR	OFF	2009/07/20 11:42
L7	0	"annular heating means"	US-PGPUB; USPAT	OR	OFF	2009/07/20 11:42
L8	1071690	"heating"	US-PGPUB; USPAT	OR	OFF	2009/07/20 11:42
L9	480	I2 same I8	US-PGPUB; USPAT	OR	OFF	2009/07/20 11:42
L10	15	I3 same I8	US-PGPUB; USPAT	OR	OFF	2009/07/20 11:43
L11	49	I1 and I9	US-PGPUB; USPAT	OR	OFF	2009/07/20 11:43
L12	0	I1 and I10	US-PGPUB; USPAT	OR	OFF	2009/07/20 11:43

7/20/2009 11:43:45 AM

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